

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (if known, see
37 CFR 1.5)

107089519

INTERNATIONAL APPLICATION NO. PCT/EP/0009447	INTERNATIONAL FILING DATE 27 September 2000	PRIORITY DATE CLAIMED 1 October 1999
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TITLE OF INVENTION

DYNAMIC MIXER

APPLICANT(S) FOR DO/EO/US

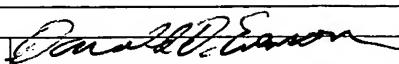
Ingo WAGNER and Hermann NIRSCHL

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.	<input checked="" type="checkbox"/>	This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
2.	<input type="checkbox"/>	This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371
3.	<input checked="" type="checkbox"/>	This express request to begin national examination procedures (35 U.S.C. 371(f) at any time rather than delay Examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1)).
4.	<input checked="" type="checkbox"/>	A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5.	<input checked="" type="checkbox"/>	A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
	a. <input checked="" type="checkbox"/>	is transmitted herewith (required only if not transmitted by the International Bureau).
	b. <input type="checkbox"/>	has been transmitted by the International Bureau
	c. <input type="checkbox"/>	is not required, as the application was filed in the United States Receiving Office (RO/US)
6.	<input checked="" type="checkbox"/>	A translation of the International Application into English including three (3) sheets of drawings (Figs. 1-8)(35 U.S.C. 371(c)(2)).
7.	<input checked="" type="checkbox"/>	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
	a. <input type="checkbox"/>	are transmitted herewith (required only if not transmitted by the International Bureau).
	b. <input type="checkbox"/>	have been transmitted by the International Bureau.
	c. <input type="checkbox"/>	have not been made; however, the time limit for making such amendments has NOT expired.
	d. <input checked="" type="checkbox"/>	have not been made and will not be made.
8.	<input type="checkbox"/>	A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.	<input checked="" type="checkbox"/>	An Application Data Sheet and an executed oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.	<input type="checkbox"/>	A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Item 11. to 16. below concern other document(s) or information included:

11.	<input checked="" type="checkbox"/>	An Information Disclosure Statement under 37 CFR 1.97 and 1.98 including Form PTO-1449.
12.	<input type="checkbox"/>	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.	<input checked="" type="checkbox"/>	A FIRST preliminary amendment.
	<input type="checkbox"/>	A SECOND or SUBSEQUENT preliminary amendment.
14.	<input checked="" type="checkbox"/>	A substitute specification including three (3) sheets of drawings (Figs. 1-8) and marked-up copy thereof.
15.	<input type="checkbox"/>	A change of power of attorney and/or address letter.
16.	<input checked="" type="checkbox"/>	Other items or information: a. International Search Report and ten (10) references

U.S. APPLICATION NO. (if known, see 37 CFR 1.5 10 / 089519	INTERNATIONAL APPLICATION NO. PCT/EP00/09447	ATTORNEY'S DOCKET NUMBER 1860/50907
17. [X] The following fees are submitted:		CALCULATIONS PTO USE ONLY
Basic National Fee (37 CFR 1.492(a)(1)-(5)): Search Report has been prepared by the EPO or JPO \$ 890.00		
International preliminary examination fee paid to USPTO (37 CFR 1.482) \$ 710.00		
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$ 740.00		
Neither international preliminary examination fee (37 CFR 1.482) nor International search fee (37 CFR 1.445(a)(2)) paid to USPTO \$ 1040.00		
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) \$ 100.00		
ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 890.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$ 0.00
Claims	Number Filed	Number Extra
Total Claims	31 - 20 =	11
		X \$18.00
		\$ 198.00
Independent Claims	5 - 3 =	2
		X \$84.00
		\$168.00
Multiple dependent claims(s) (if applicable)		+ \$280.00
		\$ 0.00
TOTAL OF ABOVE CALCULATIONS= \$1,256.00		
Applicant claims Small Entity Status (See 37 CFR §1.27) [] yes [] no. Reduction by 1/2 for filing by small entity, if applicable.		\$
SUBTOTAL = \$1,256.00		
Processing fee of \$130.00 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$
TOTAL NATIONAL FEE = \$1,256.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28,3.31). \$40.00 per property +		\$ 40.00
TOTAL FEE ENCLOSED = \$1,296.00		
		Amount to be: refunded \$
		Charged \$
a. [X] C&M Check No. <u>224921</u> in the amount of \$1,256.00 for the filing fee is enclosed. C&M Check No. <u>224921</u> in the amount of \$40.00 is enclosed to cover the Assignment Recordation Fee.		
b. [] Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.		
c. [X] The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to Deposit Account No. <u>05-1323</u> . A duplicate copy of this sheet is enclosed.		
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.		
SEND ALL CORRESPONDENCE TO: Crowell & Moring, L.L.P. P.O. Box 14300 Washington, D.C. 20044-4300 Tel. No. (202) 624-2500 Fax No. (202) 628-8844		
		SIGNATURE Donald D. Evenson
		NAME 26,160
		REGISTRATION NUMBER March 29, 2002
		DATE

DDE:alw

Attorney Docket: 1860/50907
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: INGO WAGNER ET AL

Serial No.: (To Be Assigned)

Group Art Unit: (To Be Assigned)

Filed: March 29, 2002

Examiner: (To Be Assigned)

Title: DYNAMIC MIXER

SUBMISSION OF SUBSTITUTE SPECIFICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Attached is a Substitute Specification and a marked-up copy of the original specification. I certify that said substitute specification contains no new matter and includes the changes indicated in the marked-up copy of the original specification.

Respectfully submitted,

March 29, 2002


Donald D. Evenson
Registration No. 26,160

CROWELL & MORING, LLP
P.O. Box 14300
Washington, DC 20044-4300
Telephone No.: (202) 624-2500
Facsimile No.: (202) 628-8844
DDE:alw